

**ABSTRACT****METHOD FOR PRODUCING TITANIUM COMPOSITE PARTS, BY MEANS  
OF CASTING  
AND PARTS THUS PRODUCED**

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10 This method enables us to produce reinforced titanium composite parts with a low manufacturing cost and in which it is possible to control the percentage of reinforcement achieved on the basis of obtaining a titanium composite reinforcement material, formed preferably of titanium borides and/or carbides, by means of SHS techniques, and which is melted together with a consumable ingot of titanium or non-reinforced titanium alloy. The parts produced have a proportion of titanium boride and/or carbide which may range from 0% to 70% by weight.